

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Tadaaki Ohgi et al.

Application No.: National Phase of  
PCT/JP2005/000974

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: RIBONUCLEIC ACID COMPOUND AND  
METHOD OF LIQUID-PHASE SYNTHESIS  
OF OLIGONUCLEIC ACID COMPOUND

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information

Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: July 26, 2006

Respectfully submitted,

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	20855/0205063-US0
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### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>3</sup> -Number-Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BA	WO-02/079215-A1		10-10-2002	ISIS PHARMACEUTICALS, INC., et al.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
CA	SHIGENORI IWAI, et al., Large Scale Synthesis of Oligoribonucleotides on a Solid Support: Synthesis of a Catalytic RNA Duplex, <i>Tetrahedron Vol. 46, No. 19, pp. 6673-6688, 1990</i>		
CB	FRANCISCO MORIS, et al., A Useful and Versatile Procedure for the Acylation of Nucleosides through an Enzymatic Reaction, <i>J. Org. Chem. 1993, Vol. 58, No. 3, pp. 653-660</i>		
CC	J. H. VAN BOOM, et al., Use of Levulinic Acid in the Protection of Oligonucleotides via the Modified Phosphotriester Method: Synthesis of Decarboxylic Acid-U-A-U-A-U-A-U-A-U-A, <i>Tetrahedron Letters No. 52, pp. 4875-4878, 1976</i>		
CD	J. H. VAN BOOM, et al., Synthesis of Oligonucleotides with Sequences Identical with or Analogous to the 3'-End of 16S Ribosomal RNA of Escherichia Coli: Preparation of U-C-C-U-U-A and A-C-C-U-C-C-U-U-A via the Modified Phosphotriester Method, <i>Tetrahedron Vol. 34, pp. 1999-2007, 1978</i>		
CE	J. A. J. DEN HARTOG, et al., Synthesis of oligoribonucleotides with sequences identical to the nucleation region of Tobacco Mosaic Virus RNA: preparation of AAG, AAGAAG and AAGAAUGUUG via phosphotriester methods, <i>Recueil, Journal of the Royal Netherlands Chemical Society, 100/9, September 1981, pp. 320-330</i>		
CF	J. A. J. DEN HARTOG, et al., Chemical synthesis of a 5'- and 3'/2'-phosphorylated heptamer sequence of <i>E. coli</i> tRNA <sub>Met</sub> : pAGCCUGG(3'2')p via phosphotriester methods, <i>Recueil, Journal of the Royal Netherlands Chemical Society, 100/7-8, July/August 1981, pp. 275-284</i>		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Scarlett Goon/	Date Considered	03/25/2008
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.G./